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## ERRATA

In "General Correlations of Vapor-Liquid Equilibria" by Ching-Tsan Lo [18, 866 (1972)], the head on the right-hand side of Table 1 should read: Deviation from observed K-value (%).

CHING-TSAN LO

In "Hollow Fiber Reverse Osmosis Systems Analysis and Design" by W. N. Gill and B. Bansal [19, 823 (1973)], the following change should be made: In the caption for Figure 2 countercurrent should be changed to concurrent, and in the caption for Figure 4 concurrent should be changed to countercurrent.

WILLIAM N. GILL

In "Thermal Boundary Layer Thickness for Laminar Forced Convection to Flat Plates with Uniform Heating and Uniform Wall Temperature" by S. W. Churchill and Hiroyuki Ozoe [19, 177 (1973)], in the second line above Equation (9)  $Pr^{1/2}f(\infty)$  should read  $Pr^{1/3}f(\infty)$ . In the Notation,  $f(Pr) = \Delta(u_e/x_v)^{1/2}/2$  and the second line of the definition of  $\psi(z)$  should read  $z = \infty$  and  $\psi' = -1$  at  $z = 0$ .

STUART W. CHURCHILL

In "Gasification: Part I. Isothermal, Kinetic Control Model for a Solid with a Pore Size Distribution" by K. Hashimoto and P. L. Silveston [19, 259 (1973)], the following corrections should be made:

1. Read Hulbert for Hulbert.
2. Equation (6) should read:

$$B_i = \frac{\pi}{a} \int_0^\infty -D_{ei} \left( \frac{dc}{dz} \right)_{z=0} \gamma^2 f(\bar{r}) dr$$

3. The definition following Equation (43) should read:

$$\gamma = 1 + \lambda + (\Delta \coth \Delta - 1)/N_{Sh}^0$$

4. In Equation (44)  $\xi$  should be replaced by  $t$ .

P. L. SILVESTON

In "An Improved Generalized Equation of State" by Tomoyoshi Yamada [19, 286 (1973)], the third term on the right-hand side of Equation (1) should read

$$\left( b_R - \frac{a_R}{T_R} \right) \frac{1}{V_R^2}$$

ROBERT C. REID

In "Kinetics of Crystallite Sintering During Heat Treatment of Supported Metal Catalysts" by E. Ruckenstein and B. Pulvermacher [19, 356 (1973)], the second integral from Equation (T1-1) of Table 1 should be deleted and a minus sign should be introduced before the right side of Equations (T1-2) and (T1-4) of Table 1 and Equation (9).

E. RUCKENSTEIN

In "Computation of Three-Dimensional Viscous Flow Between Convergent Traveling Surfaces" by E. A. Hazbun and S. W. Churchill [19, 486 (1973)], the reference to Equation (22) in the line above Equation (24) should be Equation (21).

STUART W. CHURCHILL

In "Thermodynamic Properties of Supercritical Fluids and the Mixtures at Very High Pressures" by G. J. F. Breedveld and J. M. Prausnitz [19, 783 (1973)], Table 3a should have the following corrections and additions:

1. The Accuracy of Nitrogen should be -2.0-0.5.

2. Under Argon a second line should be added to read across:

273.2-423.2 200-4300 0.5-0.6 c

3. The references for Hydrogen and Helium should be changed to d and e, respectively.

4. Two lines should be added to read across under Helium:

13.5-20.4 800-1800 0.8-2.7 f

224.9-255.2 800-1000 -0.5-1.0 g

5. Lines 2 to 4 of the footnote to the Table 3a should read:

c. Michels et al., 1949; d. Michels and Goudeket, 1941; e. Sullivan and Sonntag, 1967; f. Buchmann, 1933; g. Wiebe et al., 1931.

Also the last footnote to Table 3b should read:

a. Nitrogen, Din, vol. 3, 1961; b. Argon, Din, vol. 2, 1956; c. Argon, Michels et al., 1949; d. Hydrogen, Michels and Goudeket, 1941; e. Helium, Sullivan and Sonntag, 1967.

And the last line of the footnote to Table 3c should read:

a. Nitrogen, Din, vol. 3, 1961; b. Argon, Din, vol. 2, 1956.

In the paper "Computational Models for Cylindrical Catalyst Particles" by J. P. Sørensen, E. W. Guertin, and W. E. Stewart, the following corrections should be made:

1. In Table 1, column 2 ( $\Lambda$ ), 0.1936 should be 0.1935.

2. In Table 1, column 5 ( $L/D = 1$ ), 5.538 should be 5.358.

3. In Table 1, column 5 ( $L/D = 1$ ), 1.5898 should be 1.5998.

4. In Table 1, column 7 ( $L/D = 4$ ), 0.5549 should be 0.6549.

5. In the caption of Figure 4, "40L/D" should be "40, L/D".

6. In Table 3, the last row should be labeled  $\mu_1/\sqrt{6} + 2.5(D/L)^2$ .

In Table 2, the results for spheres were obtained by orthogonal collocation in that geometry. For one-point collocation, this yielded Equations (22) and (23) with  $[6 + 2.5(D/L)^2]$  replaced by [10.5]. The same replacement was used for the sphere in the last line of Table 3.

One case has been found in Table 2b where one-point collocation overestimates the extinction limit  $\Lambda_{min}$ . This occurs for the sphere with  $\gamma = 20$  and  $\beta = 0.3$ ; the one-point estimate  $\Lambda_{min,1} = 0.2875$  slightly exceeds the actual limit  $\Lambda_{min} = 0.2863$ . Inequalities (24) to (26), proposed by Luss (1971), bracket the exact limits  $\Lambda_{max}$  and  $\Lambda_{min}$  throughout the range of Table 2.

JAN P. SØRENSEN  
EARL W. GUERTIN  
WARREN E. STEWART

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